

**Preliminary Amendment of U.S. National Stage for International Application  
PCT/EP2003/010766 filed September 27, 2003**

**In the Specification:**

Please amend the instant Specification, without prejudice, as follows:

Please delete all text above line 6 of page 1.

At page 1, above line 6, please add the following new section headings and title of the invention:

**--TITLE OF THE INVENTION**

**Methods and Apparatus for Non-Invasive,  
*In Vivo* Determination of Nerve Conductivity in Skin**

**BACKGROUND OF THE INVENTION--**

At page 6, between lines 18 and 19 thereof, please insert the following new section heading:

**--BRIEF SUMMARY OF THE INVENTION--**

At page 10, between lines 28 and 29 thereof, please insert the following new section headings and descriptions of the drawings:

**--BRIEF DESCRIPTION OF THE SEVERAL VIEWS OF THE DRAWINGS**

Figure 1 is a schematic illustration of an apparatus according to the invention.

Figures 2 and 3 show details of Fig. 1.

Figure 4 shows one variant of the apparatus.

Figure 5 is a graphical representation of a curve showing the changes in the amplitude of the potential of the A $\beta$  fibers after a positive electrical stimulation as a function of time.